GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:5219
ANSWERED ON:14.08.2014
HYDRO POWER PROJECTS
Ering Shri Ninong;Tasa Shri Kamakhya Prasad

Will the Minister of POWER be pleased to state:

(a) whether the Central Electricity Authority has reported that Arunachal Pradesh has the potential to generate 49,126 MW of hydro-energy per year;

(b) if so, the details of projects proposed and completed to tap the potential in the State and the specific steps being taken by the Government to harness the potential;

(c) the details of ongoing hydro electric power projects in the State for which Memorandum of Understandings (MoUs) have been signed, the details of approvals granted to these projects along with the quantum of power likely to be generated through these projects;

(d) whether any Environmental Impact Assessment (EIA) has been done for these projects; and

(e) if so, the steps envisaged for mitigation of adverse downstream environmental impact of such projects?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, COAL AND NEW & RENEWABLE ENERGY
(SHRI PIYUSH GOYAL)

(a) & (b) : As per the studies for re-assessment of hydro-electric potential of the country, completed by Central Electricity Authority in 1987, the identified hydro potential in Arunachal Pradesh is about 50,328 MW (50,064 MW − above 25 MW). At present, one Hydro Electric Project (HEP), namely Ranganadi St.-I (405 MW) is in operation and three HEPs namely Subansiri Lower (2000 MW) by NHPC, Kameng (600 MW) and Pare (110 MW) by NEEPCO are under construction in Arunachal Pradesh.

Water and Water Power are State subjects and Hydro Electric Projects are allotted by the State Government. A total of 107 H.E. Projects (above 25 MW) with aggregate capacity of 49301 MW have been allotted to Central & Private Sectors by the State Government for implementation during 12th Plan and beyond. The status of

these HEPs is as under:

	Nos.	I.C. (MW)
Concurred H.E. Schemes		
by CEA	16	17736
by State	7	378
H.E. Schemes under Examination		
in CEA	5	3402
in State	4	227
H.E. Schemes under Survey & Investigation (S&I)	49	16304
H.E. Schemes Dropped (Kameng basin)	6	1490
Other Allotted H.E. Schemes	20	9764
Total	107	49301

(c) : The details of the three under construction Hydro Electric Projects, including date of signing of Memorandum of Understanding (MOU) with Government of Arunachal Pradesh, date of approval and quantum of power likely to be generated on commissioning are as under :-

Sl. No.	Name of Project/ Implementing agency/I.C.	Date of Investment Approval	Date of signing of MOU/MOA	Generation in 90% dependable year (MU)	Commissioning
1.	Subansiri Lower/NHPC/ (8x250= 2000 MW)	9.9.2003	27.01.2010	7422	Works presentlyunder hold. Commissioning in 53 months after restart of works.
2.	Kameng/ NEEPCO	2.12.2004	31.03.1999	3353	2016-17

(4x150=
600 MW)

3. Pare/NEEPCO 4.12.2008 21.9.2006 506.44 2016-17
(2x55= 110 MW

(d) : Environment Impact Assessment (EIA) has been carried out for the above projects being constructed by NHPC/ NEEPCO.

(e) : The environment and ecological aspects involved in construction of hydro projects are looked after by Ministry of Environment & Forests (MoEF) at the time of clearance of Detailed Project Report (DPR) and the projects are taken up for construction only after necessary clearances are accorded by MoEF.

Environment Management Plan is prepared as a part of EIA studies of each project, in which actions required to be taken for implementation of environmental safeguards at the time of execution as well as operation of the projects, are described in detail. Further, MoEF/Central Water Commission (CWC) have initiated/carried out the Cumulative Environment Impact Assessment studies in respect of major basins in the State of Arunachal Pradesh.